

TE (LP,MP,HP) SERIES

Ducted Air Conditioners 3D Inverter Heat Pump

Cooling Nominal: 12,000-60,000 BTU/h (3.5~16.0kW)
Heating Nominal: 14,000-60,000 BTU/h (4.0~17.0kW)
Long Piping (100 ~ 240 ft)

Product Features

- Up to 19-SEER in cooling mode.
- Piping Distance up to 240 ft.
- Ideal for Small Commercial & Industrial Applications
- Auto Restart.
- Energy Saving Motion Sensor.
- Low Voltage Start Up with IW Standby.
- Automatic Defrosting.
- Factory Tested.
- Low Temperature Cooling Down to -15° C & High
- Temperature Cooling up to 48° C ambient

Outdoor Unit Features

- DC Inverter Rotary Compressor.
- Available in 380~415V/3/50-60Hz in 042-060 Sizes.
- DC Outdoor Fan Motor.
- Electronic Expansion Valve.
- Super Quiet Operation.
- High Efficiency Coils with Hydrophilic Fins.
- Corrosion Resisting Cabinet with Protective Coating.
- High & Low Pressure Protection.
- Discharge Temperature Protection.
- Phase Loss & Overcurrent Protection.
- PFC & IPM Module Protection.
- Self-Diagnostics.



Indoor Unit Features

- Wired Remote Control (Standard)
- Double Wired Remote Control (Optional).
- Wireless LCD Remote Control (Optional).
- Auto Setting for Cooling, Heating, Dehumidifying, Fan.
- Sleep Mode.
- Turbo Cooling Function with Multi-Speed DC Fan Control.
- Built in Drain Pump.
- Easy Maintenance and Cleanable Cartridge Filters.
- Easy Connect Flare Connections.
- Low Temperature Dry Function.
- Central Controller & Long Distance Monitoring option.
- Anti-Freezing & Anti-High temperature Protection.
- Sensor Malfunction Alarm.
- Programmable 24 hours On/Off Timer.
- Weekly Timer (optional).
- Wifi Module (optional).
- Access Control (optional).
- BMS Gateway (optional).



Indoor Unit

MODEL NO.		TE	BP018P 0A-RC1053	LP024P 0A-RC1070	MP036P 0A-RCJ105	MP048P 0A-RC1140	HP060P 0A-RCG175
Cooling Capacity Btuh (kw)	Nominal		18,000 (5.3)	24,000(7.0)	36,000(10.5)	48,000(14.0)	60,000(17.5)
	Minimum		5,459 (1.60)	7,506(2.2)	10,920(3.20)	20,472(6.0)	21,666(6.35)
	Maximum		19,789 (5.80)	29,002(8.50)	39,250(11.5)	49,474(14.8)	67,200(19.7)
Heating Capacity Btuh (kw)	Nominal		19,000 (5.60)	26,000 (7.6)	40,000(11.7)	52,000(15.2)	60,000(17.6)
	Minimum		4,776 (1.40)	8,188 (2.40)	9,890(2.9)	17,742(5.2)	19,782(5.8)
	Maximum		22,178 (6.50)	32,414 (9.50)	48,490(14.5)	61,416(18.0)	68,478 (20.0)
Efficiency	SEER	Btuh/w (w/w)	18 (5.3)	18 (5.3)	19 (5.6)	18 (5.3)	17 (5.0)
Refrigerant Control		Electronic Expansion Valve @ Outdoor Unit					
Fan	Type	Centrifugal					
	Speed	4					
	Air Flow CFM (m ³ /hr) - Hi	588 (1000)		824(1400)	1236(2100)	1412 (2400)	2000(3400)
	Noise Level (dbA) Hi/Lo	39 / 28		46 / 40	52 / 44	53 / 45	56 / 49
	Ext. Sta. Pressure(Max.) in(Pa)	0.60 (150)					
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin					
Air Filter		Cleanable Cartridge Type					
Electrical	Voltage-Phase-Frequency		220/240-1-N/A(3D)				
	Range		min 198 - max 264				
	FLA		0.32	0.5	1.04	1.13	1.59
Controls		Wired Remote Control					
Refrigerant Connections inches (mm)		See Outdoor Unit Data					
Drain Connections inches (mm)		3/4 (20)					
Dimensions inches (mm)	Height		10 1/2 (266)	10 5/8 (268)	11 3/8 (290)	13 3/4 (350)	13 3/4 (350)
	Width		40 7/8 (1037)	50 3/8 (1279)	48 1/4 (1226)	52 3/4 (1340)	52 3/4 (1340)
	Depth		28 3/8 (721)	22 (558)	30 1/2 (775)	29 1/2 (750)	29 1/2 (750)
Panel Net Weight Lbs (kgs)			72.6 (33)	74.8 (34)	101.2 (46)	123.2 (56)	125.4 (57)



12k, 18k BTU/h



24k BTU/h



36k BTU/h

Outdoor Unit

MODEL NO.		TCHE	018P 0A-RLI053	024P 0A-RLI070	036P 0A-RLJ105	048P 0A-RLI140	060P 0A-RLG175	060P 7A-RLG175
Compressor Type		DC Inverter Rotary						
Outdoor Fan	No of Fans		1	1	1	2	2	2
	Noise Level (dbA)		56	57	63	59	63	63
Coil Type:		Grooved Copper Tubes - Aluminum Blue Slit Fin						
Compressor	Rated Amps (RLA)		7.2	11.5	19.0	21.0	21.0	24.0
	Power Input Nom. (W)		1440	2550	4150	4580	4580	4580
Electrical	Voltage-Phase-Frequency		220-240/1-N/A(3D)					380-415/3/50
	Range (min-max)		198 - 264					342 - 457
	Min. Circuit Amps (MCA)		9.4	15.0	24.8	27.6	27.6	10.6
	Max Fuse Amps (MOCP)		15	25	40	45	45	15
Refrigerant R410 (oz./kgs.)			45 / 1.4	70 / 2.2	124 / 3.5	141 / 4.0	194 / 5.5	176 / 5.0
Refrigerant Connections inches (mm)	Type	Flare						
	Liquid		1/4 (7)	3/8(10)	3/8(10)	3/8(10)	3/8(10)	3/8(10)
	Suction		1/2 (12)	5/8(16)	5/8(16)	5/8(16)	3/4 (19)	3/4 (19)
MAX Pipe Distance Ft.(m)	Height		49 (15)	49 (15)	49 (15)	98 (30)	98 (30)	98 (30)
	Length		66 (20)	98 (30)	98 (30)	164 (50)	164 (50)	164 (50)
Dimensions inches (mm)	Height		27 5/8 (700)	31 1/8 (790)	43 3/8 (1100)	53 1/8 (1349)	53 3/4 (1365)	53 3/4 (1365)
	Width		37 1/2 (955)	38 5/8 (980)	43 3/8 (1107)	37 3/4 (958)	42 3/4 (1085)	42 3/4 (1085)
	Depth		15 3/8 (396)	16 3/4 (427)	17 3/8 (440)	16 1/4 (412)	16 3/4 (427)	16 3/4 (427)
Net Weight Lbs (kgs)			103.4 (47)	147.4 (67)	202.4 (92)	232 (105)	265 (121)	277 (126)



42k, 48k, 60 BTU/h



Standard
Wireless
Controller



Optional Wired
Controller

Notes

- Nominal capacities are based on ARI standards 210/240-89, air entering the indoor coil operating at high fan speed for 220V-240V setting. Cooling: 80/67° F (27/19° C) DB/WB indoor & 95° F (35° C) outdoor ambient temperature.
- Rating are based on indoor and outdoor connected by 16ft (5m) of tubing..3. Refrigerant metering device is installed at the indoor unit as standard. 4. Flare fittings are provided for connecting indoor an outdoor units. 5. Insulation of both liquid and suction line is required. 6. Outdoor units are shipped with full operating charge. 7. For details of model number nomenclature, please refer to publication OGMN-1120.